

Shape-memory composite material used as spring, etc. - obtd. by
connecting shape memory parts of e.g. nickel-tin alloy or
polynorbornane-polystyrene-polybutadiene copolymer, with connector

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Abstract (Basic): JP 3023379 A

Material is obtd. by continuously connecting shape memory parts
with a connector.

The shape memory parts pref. have different shape-recovery temps.,
including Ni-Ti alloy, Ni-Ti-Co alloy, Cu-Zn-Al alloy, and even shape
memory resins such as polynorbornane-styrene-butadiene copolymer, etc.
The connector is composed of aluminium, brass, iron alloy, conductive
ceramics, etc.

USE/ADVANTAGE - Used as spring, etc. It can easily and
controllably store three-dimensionally complicated shapes and workpiece
can easily be taken out according to the recovery process of shapes
during the shape recovery process with time. (9pp Dwg.No.0/4)

Derwent Class: A88; L03; M26; Q55

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